

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/594,920
Source: IFWO
Date Processed by STIC: 03/21/2007

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:22

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

3 <110> APPLICANT: Kasuwa Namao et al.
 5 <120> TITLE OF INVENTION: THEURAPEUTIC OR PROPHYIACCTIC AGENT FOR ARTHRITIS
 7 <130> FILE REFERENCE: 1254-0328PUS1
 9 <140> CURRENT APPLICATION NUMBER: US 10/594,920
 10 <141> CURRENT FILING DATE: 2006-09-29
 12 <150> PRIOR APPLICATION NUMBER: JP 2004-107924
 13 <151> PRIOR FILING DATE: 2004-03-31
 15 <160> NUMBER OF SEQ ID NOS: 10
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 22
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: DISULFID
 26 <222> LOCATION: (6)..(22)
 27 <223> OTHER INFORMATION: A disulfide bond is formed
 29 <400> SEQUENCE: 1
 30 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
 31 1 5 10 15
 33 Met Ser Gly Leu Gly Cys
 34 20
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 53
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Homo sapiens
 42 <220> FEATURE:
 43 <221> NAME/KEY: DISULFID
 44 <222> LOCATION: (37)..(53)
 45 <223> OTHER INFORMATION: A disulfide bond is formed
 47 <400> SEQUENCE: 2
 48 Asp Leu Arg Val Asp Thr Lys Ser Arg Ala Ala Trp Ala Arg Leu Leu
 49 1 5 10 15
 51 Gln Glu His Pro Asn Ala Arg Lys Tyr Lys Gly Ala Asn Lys Lys Gly
 52 20 25 30
 54 Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met
 55 35 40 45
 57 Ser Gly Leu Gly Cys
 58 50
 61 <210> SEQ ID NO: 3
 62 <211> LENGTH: 22
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:22

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

66 <220> FEATURE:

67 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22 derivative

68 derived from mammals

70 <220> FEATURE:

71 <221> NAME/KEY: DISULFID

72 <222> LOCATION: (6)..(22)

73 <223> OTHER INFORMATION: A disulfide bond is formed

75 <400> SEQUENCE: 3

76 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ala

77 1 5 10 15

79 Met Ser Gly Leu Gly Cys

80 20

83 <210> SEQ ID NO: 4

84 <211> LENGTH: 22

85 <212> TYPE: PRT

86 <213> ORGANISM: Artificial Sequence

88 <220> FEATURE:

89 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22 derivative

90 derived from mammals

92 <220> FEATURE:

93 <221> NAME/KEY: DISULFID

94 <222> LOCATION: (6)..(22)

95 <223> OTHER INFORMATION: A disulfide bond is formed

97 <400> SEQUENCE: 4

98 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser

99 1 5 10 15

101 Gln Ser Gly Leu Gly Cys

102 20

105 <210> SEQ ID NO: 5

106 <211> LENGTH: 22

107 <212> TYPE: PRT

108 <213> ORGANISM: Artificial Sequence

110 <220> FEATURE:

111 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22 derivative

112 derived from mammals

114 <220> FEATURE:

115 <221> NAME/KEY: DISULFID

116 <222> LOCATION: (6)..(22)

117 <223> OTHER INFORMATION: A disulfide bond is formed

119 <400> SEQUENCE: 5

120 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser

121 1 5 10 15

123 Ala Ser Gly Leu Gly Cys

124 20

127 <210> SEQ ID NO: 6

128 <211> LENGTH: 17

129 <212> TYPE: PRT

130 <213> ORGANISM: Artificial Sequence

132 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:22

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

133 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22
derivative

134 derived from mammals

136 <220> FEATURE:

137 <221> NAME/KEY: DISULFID

138 <222> LOCATION: (1)..(17)

139 <223> OTHER INFORMATION: A disulfide bond is formed

141 <400> SEQUENCE: 6

142 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met Ser Gly Leu Gly

143 1 5 10 15

145 Cys

149 <210> SEQ ID NO: 7

150 <211> LENGTH: 23

151 <212> TYPE: PRT

152 <213> ORGANISM: Artificial Sequence

154 <220> FEATURE:

155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22
derivative

156 derived from mammals

158 <220> FEATURE:

159 <221> NAME/KEY: DISULFID

160 <222> LOCATION: (7)..(23)

161 <223> OTHER INFORMATION: A disulfide bond is formed

163 <400> SEQUENCE: 7

164 Ser Leu Arg Arg Ser Ser Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly

165 1 5 10 15

167 Ser Met Ser Gly Leu Gly Cys

168 20

171 <210> SEQ ID NO: 8

172 <211> LENGTH: 27

173 <212> TYPE: PRT

174 <213> ORGANISM: Artificial Sequence

176 <220> FEATURE:

177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22
derivative

178 derived from mammals

180 <220> FEATURE:

181 <221> NAME/KEY: DISULFID

182 <222> LOCATION: (6)..(22)

183 <223> OTHER INFORMATION: A disulfide bond is formed

185 <400> SEQUENCE: 8

186 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser

187 1 5 10 15

189 Met Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr

190 20 25

193 <210> SEQ ID NO: 9

194 <211> LENGTH: 22

195 <212> TYPE: PRT

196 <213> ORGANISM: Artificial Sequence

198 <220> FEATURE:

199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22
derivative

200 derived from mammals

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:22

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

```

202 <220> FEATURE:
203 <221> NAME/KEY: DISULFID
204 <222> LOCATION: (1)..(17)
205 <223> OTHER INFORMATION: A disulfide bond is formed
207 <400> SEQUENCE: 9
208 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Gln Ser Gly Leu Gly
209   1           5           10           15
211 Cys Asn Ser Phe Arg Tyr
212           20
215 <210> SEQ ID NO: 10
216 <211> LENGTH: 17
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic CNP-22
derivative
222     derived from mammals
224 <220> FEATURE:
225 <221> NAME/KEY: MUTAGEN
226 <222> LOCATION: (4)..(4)
227 <223> OTHER INFORMATION: Xaa is Leu, Ile, or Val
229 <220> FEATURE:
230 <221> NAME/KEY: MUTAGEN
231 <222> LOCATION: (5)..(5)
232 <223> OTHER INFORMATION: Xaa is Lys, Leu, or Met
234 <220> FEATURE:
235 <221> NAME/KEY: MUTAGEN
236 <222> LOCATION: (6)..(6)
237 <223> OTHER INFORMATION: Xaa is Leu, Ile, Ala, or Val
239 <220> FEATURE:
240 <221> NAME/KEY: MUTAGEN
241 <222> LOCATION: (11)..(11)
242 <223> OTHER INFORMATION: Xaa is Ser, Ala, Gly, Thr, or Asn
244 <220> FEATURE:
245 <221> NAME/KEY: MUTAGEN
246 <222> LOCATION: (12)..(12)
247 <223> OTHER INFORMATION: Xaa is Met, Ala, Trp, His, Lys, Ser, or Gly
249 <220> FEATURE:
250 <221> NAME/KEY: MUTAGEN
251 <222> LOCATION: (12)..(12)
252 <223> OTHER INFORMATION: Xaa is Met, Ala, Trp, His, Lys, Ser, or Gly
254 <220> FEATURE:
255 <221> NAME/KEY: MUTAGEN
256 <222> LOCATION: (14)..(14)
257 <223> OTHER INFORMATION: Xaa is Gly, Lys, Ala, or Leu
259 <220> FEATURE:
260 <221> NAME/KEY: MUTAGEN
261 <222> LOCATION: (15)..(15)
262 <223> OTHER INFORMATION: Xaa is Leu or Met
264 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:22

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

265 <221> NAME/KEY: DISULFID

266 <222> LOCATION: (1)..(17)

267 <223> OTHER INFORMATION: A disulfide bond is formed

269 <400> SEQUENCE: 10

W--> 270 Cys Phe Gly Xaa Xaa Xaa Asp Arg Ile Gly Xaa Xaa Ser Xaa Xaa Gly

271 1 5 10 15

273 Cys

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/594,920

DATE: 03/21/2007
TIME: 09:08:23

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt
Output Set: N:\CRF4\03212007\J594920.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. 4,5,6,11,12,14,15

VERIFICATION SUMMARY

DATE: 03/21/2007

PATENT APPLICATION: US/10/594,920

TIME: 09:08:23

Input Set : A:\2007-02-28 1254-0328PUS1.ST25.txt

Output Set: N:\CRF4\03212007\J594920.raw

L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0